PTO/SB/05 (01-04)

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I.S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	VECT-0004P1/C1
First Inventor	Bob Hardage
Title	SYSTEM AND METHOD FOR DETERMINING AN AZIMUTH OF A SEISMIC ENERGY SOURCE
Evoress Mail Label No.	EV 316267574 US

APPLICATION ELEMENTS See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Mall Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria VA 22313-1450							
1. X Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. X Specification [Total Pages 32] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed)	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Reader Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies							
- Detailed Description - Claim(s)	ACCOMPANYING APPLICATION PARTS							
- Abstract of the Disclosure 4. Drawing(s) (35 U.S.C. 113) [Total Sheets5] 5. Oath or Declaration (2) [Total Sheets6] a. Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b). 6. Application Data Sheet. See 37 CFR 1.76	9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1499 Citations 13. Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other:							
specification following the title, or in an Application Data Sheet under 37 CFR 1.76:								
	ion-in-part (CIP) of prior application No.:							
Prior application information: Examiner Not Assigned Art Unit: 2862 For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.								
19. CORRESPONI	DENCE ADDRESS							
Customer Number 27964	OR Correspondence address below							
Name								
Address								
City	State Zip Code							
Country	lephone Fax							
Name (Print/Type) Greg H Parker	Registration No. (Attorney/Agent) 44,995							
Signature	Date 02/25/2004							

This collection of information is required by 37 CFR \(53(b) \). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the coupleted application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (10-03)

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Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

Signature

Complete if Known			
Application Number	N/A		
Filing Date	Herewith		
First Named Inventor	Bob Hardage	-	
Examiner Name	N/A		
Art Unit	N/A		
Attorney Docket No.	VECT-0004P1/C1		

Date

02/25/2004

METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)						
Check Credit card Money Other None				3. ADDITIONAL FEES						
Deposit Account:			<u>Large</u>	Entity	Small	<u> Entity</u>	•			
Deposit	recount.				Fee	Fee	Fee	Fee	Fee Description	
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			(check all that apply)		1053	130	1053		Non-English specification	
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) during the pendency	• • •	1604	920	1004	920	Requesting publication of SIR prior to Examiner action	
	• •		ow, except for the filin	g fee	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
to the above-id					1251	110	2251	55	· Extension for reply within first month	
4 54010 5			ALCULATION		1252	420	2252	210		
1. BASIC FI Large Entity S	ILING F Small Ent				1253	950	2253		Extension for reply within third month	
Fee Fee	Fee Fe	<u> </u>	Fee Description	Fee Paid		1,480	2254	740		
	Code (\$)		Halla Glasses			2,010	2255		Extension for reply within fifth month	
	2001 38 2002 17		Utility filing fee	770.00	1401	330	2401	•	Notice of Appeal	
	2002 17		Design filing fee Plant filing fee		1402	330	2402		Filing a brief in support of an appeal	
	2003 20	-	Reissue filing fee		1403	290	2403		Request for oral hearing	
1005 160	2005 8		Provisional filing fee			1,510	1451		Petition to institute a public use proceeding	
1003 100	2003	_	<u> </u>	550.00	1452	110	2452	•	Petition to revive - unavoidable	
·		51	UBTOTAL (1) (\$)	770.00	i i	1,330	2453		Petition to revive - unintentional	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE			1	1.330	2501		Utility issue fee (or reissue)			
			Ext <u>ra Claims</u> belo		1502	480	2502		Design issue fee	
Total Claims	30	-20**	'= 10 x 18.0	00 = 180.00	1503	640	2503		Plant issue fee	
Independent Claims	3	- 3**	= 0 x 86.0	0 = 0	1460	130	1460	130	Petitions to the Commissioner	
Multiple Deper	ndent				1807	50	180	7 50	Processing fee under 37 CFR 1.17(q)	
Large Entity					1806	180	1806	3 180	Submission of Information Disclosure Stmt	
Fee Fee Code (\$)	Fee Code		Fee Description		8021	40	802	1 40	Recording each patent assignment per	
1202 18	2202	9	Claims in excess of 2	20	1809	770	2809	385	property (times number of properties) Filing a submission after final rejection	
1201 86	2201		Independent claims in	excess of 3			2000		(37 CFR 1.129(a))	
1203 290	2203		Multiple dependent cl		1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1204 86	2204	43	** Reissue independe over original patent		1801	770	2801	385		
1205 18	2205	9	** Reissue claims in	excess of 20	1802	900	1802		Request for expedited examination	
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**or number previously paid, if greater; For Reissues, see allove			/ Real	icea by	Dasi¢ i	riling F	ee Paid SUBTOTAL (3) (\$)	0.00		
SUBMITTED BY					\overline{Z}			(Complete (if applicable)		
Name (Print/Type	θ)		Greg H. P	arker \\/	/, Ts	Registra Montevi	tion No	. [44,995 Telephone (972) 480	-8800

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the complete of the com the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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NONPUBLICATION REQUEST
UNDER
35 U.S.C. 122(b)(2)(B)(i)

First Named Inventor			Bob Hardage	`	
	Title	SYSTEM AND METHOD FOR DETERMINING AN AZIMUTH OF A SEISM ENERGY SOURCE			
	Attorr	ney Docket Numbe	vECT-0004P1/C1	_	

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

 O2/25/2004
 Date
 Signature

 (972) 480-8800
 Greg H. Parker
 Reg No.: 44,995

 Telephone number
 Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application upon filing.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

This collection of information is required by 37 CFR 1.213(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

DOCKET NO. VECT-0004P1

PATENT & FRADEMARK
OFFICE
PATENT
DEC 27 DI

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DIVISION

In re application of:

Bob Hardage, et al.

Serial No.:

09/952,430

Filed:

September 14, 2001

For:

SYSTEM AND METHOD FOR DETERMINING AN AZIMUTH

OF A SEISMIC ENERGY SOURCE

Group No.:

2862

Examiner:

N/A

Assistant Commissioner for Patents Washington, D. C. 20231

Attn: Office of Initial Patent

Examination

Customer Service Center

Thereby certify that this correspondence is being deposited with the United States Postal Service as first class mall in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231, on 1521/2001 (Date)

(Printed or sypet) name of person signing the certificate):

(Signature of the person signing the certificate

Sir:

RESPONSE TO MISSING PARTS OF APPLICATION

In response to the Notice to File Missing Parts of Application dated October 5, 2001, attached are the following documents:

- 1. Executed Declaration and Power of Attorney for Vecta Technology (pp 3);
- 2. Executed Assignment for Vecta Technology (pp 2);
- 3. Vecta Assignment Coversheet (pp 2);
- 4. Executed Declaration and Power of Attorney for Board of Regents (pp 3);

- 5. Executed Assignment for Board of Regents (pp 2)
- 6. Board of Regents Assignment Coversheet (pp 2);
- 7. Our firm's check in the amount of \$145.00 to cover the surcharge;
- 8. A copy of the Notice to File Missing Parts of Application; and
- 9. Our postcard receipt.

The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 08-2395.

Respectfully submitted,

HITT GAINES & BOISBRUN, P.C.

Charles W. Gaines

Registration No. 36,804

P.O. Box 832570 Richardson, Texas 75083 (972) 480-8800.